

Applicants: Boris Ginzburg et al.
Serial Number: 10/658,614

Assignee:
Attorney Docket:

Intel Corporation
P-5911-US

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Amendments to the Claims

Please amend the claims as follows and cancel the claims marked as cancelled without prejudice or disclaimer to their filing:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Currently Amended) A method comprising:

activating request to send protection;

collecting a first statistic of packet error rates for request to send

frames sent and a second statistic for packet error rates for data

frames transmitted under request to send protection;

calculating a first packet error rate of request to send frames;

[[and]

calculating a second packet error rate of data frames sent under

request to send protection;

adjusting reducing a request to send protection threshold if said

first packet error rate is ~~below~~ above a collision rate threshold;

and

adjusting a transmission parameter according to said second packet

error rate if said first packet error rate is below a collision rate

threshold.

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10. (Original) A method as in claim 9, wherein said activating request to send protection comprises setting request to send protection to predefined upper limit.

11. (Cancelled)

12. (Currently Amended) A method as in claim [[11]] 9, wherein said adjusting a transmission parameter comprises:

determining whether transmission quality is above a transmission quality threshold;
and
increasing a data rate.

13. (Original) A method as in claim 12, including:

determining whether a transmission quality is below a transmission quality threshold;
and
decreasing a data rate.

14. (Currently Amended) A method as in claim [[11]] 9, wherein said adjusting a transmission parameter comprises adjusting a data rate.

15. (Currently Amended) A method as in claim [[11]] 9, wherein said adjusting a transmission parameter comprises adjusting fragmentation.

16. (Currently Amended) A method as in claim 9, wherein said adjusting reducing request to send protection comprises deactivating said request to send protection.

17. (Currently Amended) A method as in claim [[11]] 9, further comprising:

calculating a third packet error rate for data frames sent without request to send protection;
deriving a fourth packet error rate attributable to noise; and
adjusting a transmission parameter based on said fourth packet error rate.

18. (Original) A method as in claim 17, wherein deriving said fourth packet error rate attributable to noise comprises:

dividing the result of

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a fifth packet error rate of transmissions without request to send protection
minus said first packet error rate of request to send frames, by, one minus
said first packet error rate of request to send frames.

- 19. (Cancelled)
- 20. (Cancelled)
- 21. (Cancelled)
- 22. (Cancelled)
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- 29. (Cancelled)
- 30. (Cancelled)
- 31. (Cancelled)
- 32. (Cancelled)
- 33. (Cancelled)